

Name(s) of Risk Team Members: A. Etkin, M. Van Essendelft, M. Bannon				Point Value → Parameter ↓		1		2		3		4		5			
Job Title: Electrical Preparation for Working on the AGS MMPS MG Set				Frequency (B)		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift			
Job Number or Job Identifier: JRA 5				Severity (C)		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability			
Training and Procedures List (optional): OPM 8.7				Likelihood (D)		Impossible		Unlikely		Possible		Probable		Multiple			
Approved by: <i>E. Lessard</i> Date: 8-17-04 Rev. #: 0																	
Stressors (if applicable, please list all):				Reason for Revision (if applicable):						Comments: The shutdown of all major electrical sources is done using an OPM [OPM 8.7], remotely actuated switches or breakers and an automated control system and does not represent a significant hazard to the operator. Access to cabinets controlled by Kirk keys.							
				Before Additional Controls										After Additional Controls			
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
Disconnect generator output from rectifiers and short output	None	Procedure, training, work planning and remote operation of switches	N	1	2	1	1	2									
LOTO and vent air supply to isolation switches[89]	None	Procedure, training, work planning, Kirk Locks, direct observation of switches	N	1	2	1	1	2									
LOTO Cycloconverter	Flash	Procedure, training, work planning, rated flash protection, PPE	N	1	2	3	3	18									
Rack-Out to LOTO 13.8 KV High Power Breakers	Flash	Breakers are assured open by the control system. Operation is done through small opening in cabinet door. training,, rated flash protection, procedure, work planning, PPE	N	1	2	3	2	12									
LOTO Exciter	Flash	Procedure, training, work planning, rated flash protection, breaker rack-out performed by Line crew, PPE	N	1	2	5	2	20									
Rack out Motor Breakers	Flash	Breakers are assured open by the control system. Operation is done through small opening in cabinet door. training,, rated flash protection suite, procedure, work planning, PPE	N	1	2	3	2	13									
Disconnect and ground 13.8KV feed from 603	Flash	Procedure, training, work planning, rated flash protection, performed by Line crew, PPE	N	1	2	5	2	20									

LOTO and ground 13.8KV feed from 603	Flash	Procedure, training, work planning, rated flash protection, PPE	N	1	2	5	2	20								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20	21 to 40	41-60				61 to 80				81 or greater					
	Negligible	Acceptable	Moderate				Substantial				Intolerable					